

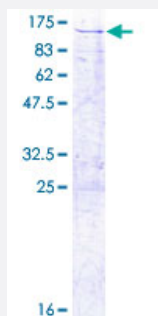
Full-Length

TRAP1 (Human) Recombinant Protein (P01)

Catalog # H00010131-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TRAP1 full-length ORF (NP_057376.1, 1 a.a. - 704 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MARELRALLLWGRRLRPLLAPALAAVPGGKPLCPRRTTAQLGPRRNPASLQAGRLFSTQTA
EDKEEPLHSIISSTESVQGSTSKHEFQAETKKLLDIVARSLYSEKEVFIRELISNASDALEKLRHKL
SDGQALPEMEIHLQTNAEKGTITQDTGIGMTQEELVSNLGTIARSGSKAFDALQNQAEASSKIIGQ
FGVGFYSAFMVADRVYVSRSAAPGSLGYQWLSGSGSVFEIAEASGVRTGKIIHLKSDCKEFSS
EARVRDVVTKYSNFVSFPLYLNGRRMNTLQAWMMMDPKDVGGEWQHEEFYRYVAQAHDKPRYTLH
YKTDAPLNIRSIYVPMKPSMFVSRRELGSVALYSRKVLQTKATDILPKWLRFRIGVVDSEDIPL
NLSRELLQESALIRKLRDVLQQRLIKFFIDQSKKDAEKYAKFFEDYGLFMREGVTEQEVKEDIA
KLLRYESSALPSGQLTSLSEYASRMRAGTRNIYLCAPNRHLAEHSPYYEAMKKKDTEVLFCFEQF
DELTLHLREFDKKKLISVETDMDVVDHYKEEFEDRSPAAECLSEKETEELMAWMRNVLGSRVTN
VKVTLRLDTHPAMVTVLEMGAARHFLRMQQLAKTQEERAQLLQPTLEINPRHALIKKLNQLRASEP
GLAQLLDQYENAMIAAGLVDDPRAMVGRLNELLVKALERH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

106.4

Interspecies Antigen Sequence

Mouse (88); Rat (88)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TRAP1

Entrez GeneID	10131
GeneBank Accession#	NM_016292.1
Protein Accession#	NP_057376.1
Gene Name	TRAP1
Gene Alias	HSP75, HSP90L
Gene Description	TNF receptor-associated protein 1
Omim ID	606219
Gene Ontology	Hyperlink
Gene Summary	HSP90 proteins are highly conserved molecular chaperones that have key roles in signal transduction, protein folding, protein degradation, and morphologic evolution. HSP90 proteins normally associate with other cochaperones and play important roles in folding newly synthesized proteins or stabilizing and refolding denatured proteins after stress. TRAP1 is a mitochondrial HSP90 protein. Other HSP90 proteins are found in cytosol (see HSP90AA1; MIM 140571) and endoplasmic reticulum (HSP90B1; MIM 191175) (Chen et al., 2005 [PubMed 16269234]).[supplied by OMIM]

Other Designations

heat shock protein 75|tumor necrosis factor type 1 receptor associated protein

Publication Reference

- [TNF \$\alpha\$ Amplifies DNaseI Expression in Renal Tubular Cells while IL-1 \$\beta\$ Promotes Nuclear DNaseI Translocation in an Endonuclease-Inactive Form.](#)

Thiyagarajan D, Rekvig OP, Seredkina N.

PLoS One 2015 Jun; 10(6):e0129485.

Application: WB, Human, Tubular cells

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Kidney Failure](#)